Assistant Secretary of the Army (ASA) Acquisition, Logistics, and Technology (ALT) and Program Executive Office, Enterprise Information Systems (PEO EIS)

PEO EIS
YEAR IN REVIEW
2010

US ARMY PEO EIS
PEO Enterprise Information Systems

PEO EIS Message

Change is definitely underway within the Federal Government, Department of Defense (DoD), and Department of Army. With the serious financial situation facing our country, our Acquisition Corps military and civilians are working even harder to meet the challenge of providing Information Technology (IT) capabilities to our Soldiers faster and more cost effectively.

In 2010, we delivered 235 major systems capabilities to more than 2 million Joint users at 500 locations around the world. Always trying to do more, faster, 30 percent of our capabilities were delivered ahead of schedule and the remaining 70 percent were delivered on time – while also achieving savings and cost avoidances of $800 million.

The accomplishments of our 2,500 military, civilian, and support contractor personnel worldwide—more than 1,000 of which are deployed in Southwest Asia—have been recognized throughout the DoD, the Army, and industry to the tune of nearly 50 individual and team awards; a significant achievement for any organization.

I am pleased to highlight some of our team's extraordinary accomplishments in our inaugural "PEO EIS Year in Review–2010". Our diverse portfolio of more than 120 systems and products limits us to a snapshot of our programs' progress, successes, and accomplishments in providing improved technological capabilities to our Army and DoD personnel. Although representing only a fraction of what we have done during 2010, the enclosed articles are indicative of the dedication of our workforce and industry partners.

This publication highlights systems in four categories–battlefield, communications, logistics, and business—followed by Headquarters initiatives. Although segmented, many of our systems' operations cross over into one or more of the four mission areas.

Supporting the Soldiers on the battlefield is the Army's highest priority and PEO EIS is dedicated to delivering systems that protect Soldiers and ensure their well-being. The *Battlefield Systems* section highlights PEO EIS systems used daily for force protection, medical support, and transportation.

Information is power and PEO EIS is striving to ensure the Warfighters have the information they need to make critical command decisions, ensure successful operations, and conduct the day-to-day business of supporting our military and Nation's defense.

In 2010, PEO EIS expended approximately 50% of its $4 billion funding to provide Warfighters state-of-the-art communications capabilities from satellite to desktop *Communications Systems*.

Napolean Bonaparte's famous quote, "An Army marches on its stomach" is still true today. Armies cannot sustain without food, medical supplies, and equipment and PEO EIS is providing *Logistics Systems* for transportation, maintenance, repair, and supply to support DoD operations around the world.

Keeping the Army running requires a host of *Business Systems* and PEO EIS is the Army's source for those systems. Having executed $1.25 billion in 2010 on business systems, PEO EIS delivered human resources, training, financial, force planning, and management capabilities that help the Army manage its resources.

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We have also included some information on our *Headquarters* and their efforts in supporting the project offices in making these systems and products the success they are today.

This year in review serves as a reminder of our commitment to our Warfighters and the vital role we play in our Nation's defense.

With that, welcome to the first PEO EIS Year in Review. I hope you enjoy it.

Gary L. Winkler

Program Executive Officer

About PEO EIS

PEO EIS provides infrastructure and information management systems to the Army, enabling it to achieve victory through total information dominance. PEO EIS develops, acquires, and deploys tactical and management information technology systems and products.

PEO EIS is well known as a systems acquisition, development, and integration center of excellence. Under the management of four deputy program executive officers, five directorates and many project/product managers, PEO EIS develops and fields a wide range of products and services that support the Army. PEO EIS is dedicated to supporting the warfighter and contributes to the global war on terror and the war in Iraq. Through its diverse programs, PEO EIS touches every Soldier, every day. PEO EIS continually finds ways to serve the Army and the Department of Defense (DoD).

Mr. Gary L. Winkler, Program Executive Officer for Enterprise Information Systems (PEO EIS), reports to the Assistant Secretary of the Army (ASA) for Acquisition, Logistics, and Technology (ALT), Dr. Malcolm O'Neil.

Mission

Enable information dominance by developing, acquiring, integrating, and deploying Enterprise-wide, network-centric information management and communications to meet Army's current and future mission requirements.

Vision

Rapidly deliver cost-effective, easy-to-use, IT-based capabilities to the Army Enterprise.

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Battlefield Systems

Department of Defense (DoD) Biometrics: Denying the Enemy Anonymity…Anytime, Anyplace

DoD Biometrics is making it easier for the good guys to catch bad guys. Their biometric technology is seeing through the fake IDs and clever disguises and unveiling the true identify of terrorists worldwide.

DoD Biometrics supports several biometric collection, management, and storage devices used for identity detection in the theater of operations. The goal of these systems is to help ensure the safety of the Warfighter by identifying "bad guys" in the field, preventing them from accessing US facilities, and picking them out of a crowd when they try to hide. A secondary goal is to allow the "good guys" – member of the local population who assist Coalition forces – to go freely about their business.

DoD Biometrics continues to expand its support to Southwest Asia (SWA) – deploying additional systems and improved software to ensure US Soldiers have state-of-the-art technology for base access control, human terrain mapping, checkpoint control, population management, counter Improvised Explosive Devices (IEDs) activities, and investigation of criminal or terrorist acts.

In response to a December 2004 on-site suicide bombing, DoD Biometrics developed and deployed Biometric Identification System for Access (BISA). The system enrolls and issues identification cards to

local nationals, third-country nationals, and Coalition force workers. Since deployment, over 650,000 base access cards have been issued, and no further terrorist acts have killed or injured personnel on US bases in the manner of the 2004 attack. Additionally, over 2,500 applicants have been detained via the process or barred from base access. During the past year, DoD Biometrics installed software upgrades at hundreds of enrollment stations, card print and issue stations, and verification devices throughout Iraq. DoD Biometrics also deployed a BISA Dayworker system for vetting and identifying the temporary day worker population in Iraq.

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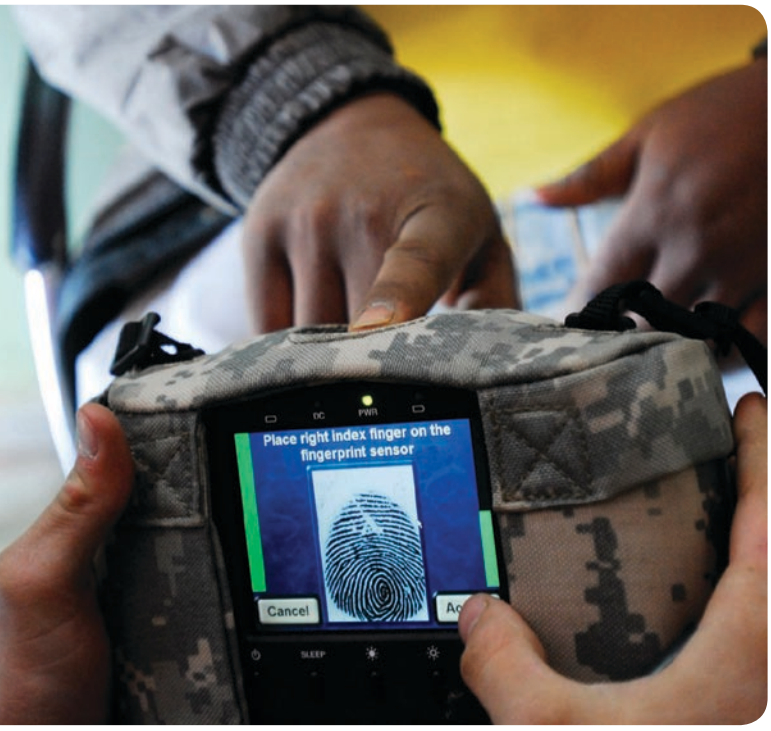
The Biometrics Automated Toolset – Army (BAT-A) is the most widely deployed tactical biometrics system in use by US forces today, with over three million identities enrolled. Over 100,000 individuals have been identified as "to be detained" or denied access to US bases, based on known derogatory information. The BAT-A consists of a laptop and tactical handheld components with identification processing software, a handheld iris scanner, digital camera, and fingerprint reader. The handheld component of the BAT-A, the Handheld Interagency Identity Detection Equipment (HIIDE), provides Soldiers a transportable means of enrolling subjects and identifying persons of interest on watch lists while on patrol or in the field. More than 600 BAT-A systems were delivered to SWA during 2010.

Serving as the Department's authoritative Enterprise repository, DoD-Automated Biometric Identification System (ABIS) version 1.0 (ABIS version 1.0) accepts biometric submissions from a wide variety of collection systems serving multiple mission needs. The system stores, processes, shares, and matches four different biometric modalities, including fingerprint, facial image, palm print, and iris patterns for almost five million known and suspected terrorists, known enemies, and persons of interest.



Fielded in January 2009, the ABIS version 1.0 integration of state-of-the art platforms resulted in system response times of 14 to 28 times faster than the prototype and a reduction in the number of "yellow resolves" (cases in which human intervention is required to determine a match) from 12 percent down to 4 percent. Software releases during the year increased functionality and security while capacity was expanded to accommodate more than a million additional biometric records. The success of ABIS version 1.0 contributed to the development and use of advanced algorithms which combine multiple modalities in order to reduce the frequency of inconclusive or non-automatic identification requiring human intervention.

So what does this mean for those in theater and other areas of responsibility? DoD Biometrics is providing a means to more quickly identify friend, foe, or an innocent bystander.

Battlefield Medical System Improves Care, Decision Making

Two years ago, an Improvised Explosive Device (IED) detonation in Afghanistan left an Army major with facial injuries and multiple fractures. The Soldier was medically evacuated to Bagram Air Field where he underwent surgical procedures for his injuries. Clinicians documented his care in computer systems fielded by the US Army Medical Communications for Combat Casualty Care (MC4) program.

After his stay at Camp Lacy, he received follow-up care at Landstuhl Regional Medical Center in Germany and then at the North Chicago Veteran's Affairs (VA) Medical Center. The staff at each facility was prepared for his arrival with a full account of his medical history, a linkage made possible by MC4's battlefield communications system.

MC4 is a ruggedized system-of-systems fielded to tactical medical forces throughout the combat zone, select areas in the US, and several countries around the world. The system provides tools to digitally record and transfer critical medical data from the foxhole to the field hospital, ultimately creating Service members' lifelong medical histories. These records better inform health care providers and make it easier for wounded warriors to access VA medical benefits.

In 2010, MC4 supported a growing number of Army initiatives for broadening the use of Electronic Medical Record (EMR) systems to garrison aid stations and unit exercises in seven more countries. MC4 also fielded new technologies and began piloting projects that improve continuity of care and decision making on the front lines.

Fifty-seven Battalion aid stations in garrison now use the once battlefield-only system to digitally chart care instead of using paper, filling a gap in medical recording. Aid stations have used MC4 to capture 53,000 patient encounters and to transmit countless medical supply orders. By integrating MC4 systems into field training exercises and remote clinics, Army units in Japan, Thailand, Philippines, Poland, Kosovo, and Djibouti can digitally track health care provided to Service members, as well as use a system they will deploy.

Greater MC4 use has created a demand for improved system functionality; in 2010 MC4 delivered. In the Spring, MC4 deployed new hardware and upgrades to improve data transfer capabilities, and to reduce

patient record errors. The upgrade sped outpatient data transfer from 24 hours to 3 minutes, and reduced the number of duplicate records by 90 percent in Afghanistan.

Throughout the year, MC4 upgrades delivered better methods for capturing and reporting mild traumatic brain injury data. Other enhancements included easier medical supply management and better visibility of in-transit patients and equipment. MC4 also coordinated the first installation of the Defense Medical Logistics Standard Support (DMLSS) system in a combat support hospital in Afghanistan. In one week, the 31st Combat Support Hospital digitally processed more than 1,500 transactions versus the average 900 before the upgrade. They did not miss an order and now have better visibility and management of their medical supplies.

System support also received a boost when MC4 and the 7th Theater Tactical Signal Brigade completed the first integration of the Army's EMR system onto the Afghanistan Enterprise network. Users gained improved system functionality, strengthened security, and greater customer service, while requiring less equipment and on-site support. Technical support personnel can remotely view, manage, and update more than the 200 MC4 laptops used by 19 units across 7 Forward Operating Bases (FOBs).

In 2010, MC4 fielded 8,799 systems and trained approximately 9,000 users, enabling the successful capture of more than 1.7 million electronic patient encounters. With 10 years of experience managing the DoD's first and most comprehensive battlefield medical recording system, MC4 has facilitated the capture of 14.9 million electronic patient encounters to date. MC4 has trained 52,700 users and fielded 43,500 systems to 750 units with medical personnel, including Stryker Brigades, Army National Guard (ARNG), and Army Reserve, as well as all active divisional units throughout 19 countries.

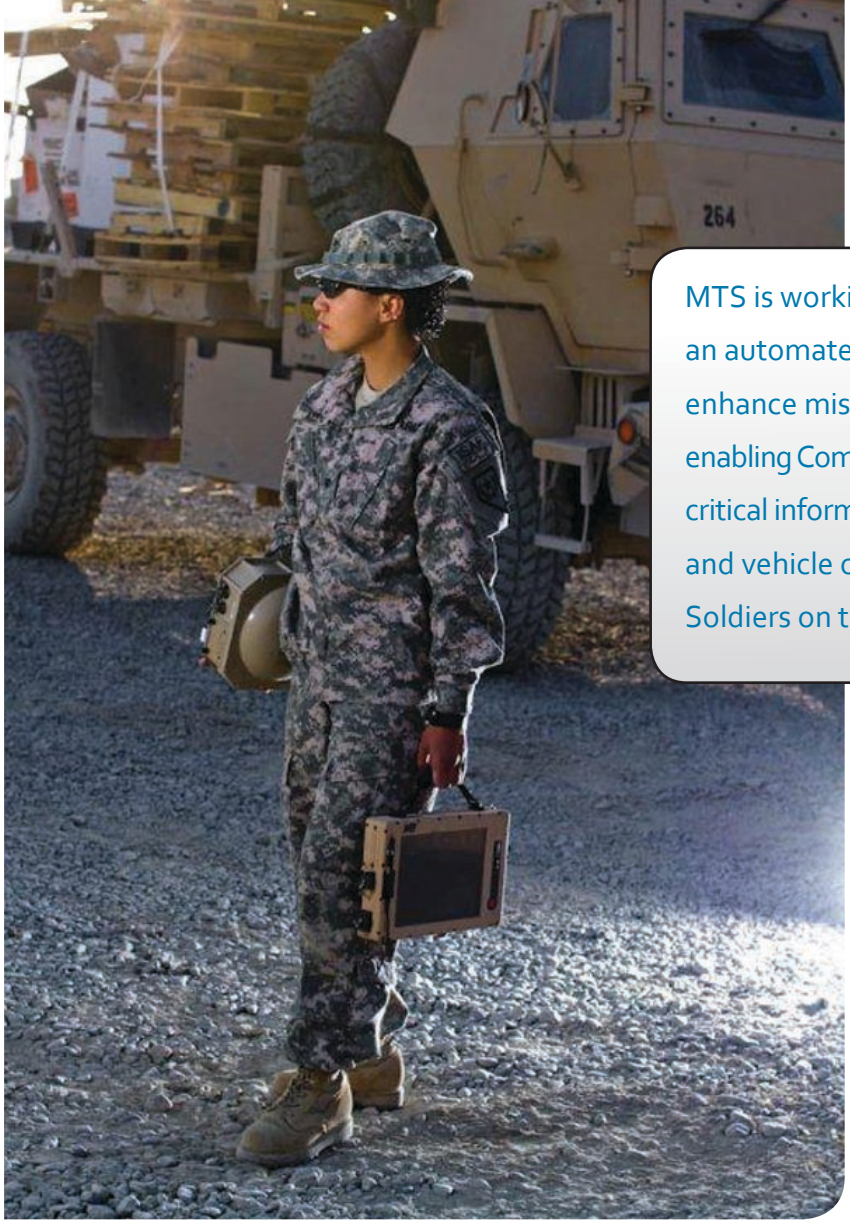
MC4's plans for 2011 include newer technology and innovations. Last year, MC4 and partners began piloting projects that include hands-free EMR devices for medics, tele-behavioral health consultations in the combat zone, and testing the feasibility of smart devices (tablets and mobile phones) to capture and track deployed Soldier care. With these new technologies, MC4 will be positioned to provide even better medical care for our Soldiers.

Movement Tracking System (MTS) Moves the Warfighter

The Army's MTS is an invaluable tracking device and communications system used by Soldiers serving in Iraq and Afghanistan. This system enables Commanders and logisticians to track the location of vehicles, maintain greater visibility of in-transit logistics assets, communicate with vehicle operators, and redirect missions when necessary.

MTS's value dramatically increased during 2010 with the introduction of a new Military Ruggedized Tablet (MRT) and software upgrade, designed to make the system even more functional and user-friendly. The MRT is the same hardware used by Force 21 Battle Command Brigade and Below (FBCB2), allowing economies of scale and ease of maintenance. MTS began fielding the new MRT hardware to units in Southwest Asia (SWA) in February 2010 and software version 5.16 was introduced to the field beginning in August of that same year.

The MTS software upgrade represents the next level of functionality, providing improved text messaging capability that allows up to 500 characters, compared to the previous 75 character limit. It also includes preformatted messages for emergency contact and medical evacuation reports. It has a map display that supports all military message formats. The system includes a mission planning capability where control station operators can conduct convoy planning and a routing feature that provides street routing with turn-by-turn directions (previously only available in the Continental United States (CONUS)). MTS version 5.16 uses a color code to denote the type of message being transmitted for ease of recognition.



MTS is working with PD TIS to develop an automated interface for TC-AIMS II to enhance mission planning capability enabling Commanders to easily disseminate critical information to convoy Commanders and vehicle operators making it safer for Soldiers on the front lines.

The new version uses MIL-STD-2525 map overlay symbols and group functionality. This version makes it possible to accommodate up to 65,000 groups, compared to its former limit of only 250 groups with the pervious system. It is also possible to track a vehicle's path by clicking on a position history button on the map menu and then selecting a vehicle name in the navigation pane to see a "bread crumb" trail of where the vehicle has been.

Version 5.16.2 reads the capability to new ISO 18000-7 Radio Frequency Identification (RFID) tags that send a sensor alert text message when container sensors are tripped. It also possesses a distress messaging user confirmation that helps prevent false alarms. When an alarm is activated, it has a feature that enables the operator to click on the map to obtain the grid coordinates of the item's location.

User tests have shown that Soldiers familiar with previous versions of MTS were enthusiastic about the new features and ease of using the new software. "It has the look and feel of Windows™ -based software and provides greater functionality." said Joe Rhodes, Logistics Automation Chief for MTS.

As MTS version 5.16 is fielded, the MTS product office staff continues to work on other initiatives to increase the functionality of the system such as integrating new ground guidance software that will help determine the best routes via off-road terrain by analyzing land cover, elevation, and aerial photo databases. Routes selected will maximize speed or concealment, allowing mission planners to create fast or stealthy routes, depending on the mission.

MTS is working with the Transportation Information Systems (TIS) organization to develop an automated interface for Transportation Coordinators' – Automated Information for Movements System II (TC-AIMS II) to enhance mission planning capability enabling Commanders to easily disseminate critical information to convoy Commanders and vehicle operators making it safer for Soldiers on the front lines.

Communications Systems

Army Knowledge Online (AKO) Creates Army's First Secure Wireless Program for Mobile Devices

Coming of age in today's high-tech society, many of today's young Soldiers never dialed a rotary phone nor been tethered to the wall by a phone cord. On the contrary, their first—and only—phones were cell phones. The mobile environment is their milieu: they are savvy about available technologies and adamant about performance and function.

To satisfy the high standards of this generation, AKO/DKO is modernizing its systems using leading-edge mobile technology. Launched in 2009 and expanded in 2010, AKO's Go Mobile offers secure wireless connectivity for mobile users. Using smart phone technology, Go Mobile provides Soldiers on-demand access to AKO/DKO Enterprise Email, calendar, tasks, contacts, the AKO/DKO Global Address List (GAL), as well as portal files, notifications, and Army-wide announcements. The technology suite enables users to edit files, including documents and spreadsheets, and to view presentations from their phones. AKO/DKO evaluated phones such as the HTC TouchPro2, HTC Tilt2, HTC Ozone, Samsung Epix, and the Palm Treo Pro for compatibility with the Good Mobile client that supports the Go Mobile functionality.

With Go Mobile, users are no longer tied to a Personal Computer (PC); they can securely access AKO/

DKO services, applications, and data on a Personal Digital Assistant (PDA) or smart phone via Common Access Card (CAC) log-in. Individuals have immediate, secure access to a complete mobile office, anytime and anywhere.

Go Mobile currently operates with mobile phones using the Good Mobile Messaging application accredited for the Windows™ Mobile operating system. AKO/DKO is currently pursuing accreditation of the Good Mobile Messaging application for the Apple® IOS, which is used by the iPhone and iPad devices; and for the Google Android operating system, used by a rapidly increasing number of mobile devices.

Moving forward, Go Mobile is committed to keeping pace with technology and meeting the needs of today's expeditionary Army. Simply put, Go Mobile provides an Enterprise-level, wireless capability that ensures a Soldier's access to when and where they need it.

All this technology is built with an eye toward security. The programs that power Go Mobile encrypt the data whether in transmission or storage with a National Security Agency (NSA)-approved 192-bit advanced encryption standard. A Bluetooth CAC reader provides additional security, allowing Soldiers to sign and decrypt email messages.

Simply put, Go Mobile provides an Enterprise-level, wireless capability that ensures a Soldier's access to when and where they need it.

Practical Peripherals and Accessories

AKO/DKO identified a number of peripheral devices and accessories compatible with Go Mobile phones that enhance the mobile capability.

The thin, futuristic MYVU Solo video goggles allow Soldiers to watch training videos privately and provide the viewing equivalent of a 50 inch monitor.

The Velio Redfly Companion is a two-pound "dumb" terminal, so it does not include an operating system, processor, or memory. Because of this, it can display whatever is on the smart phone's screen without storing any data; as such, if it falls into the wrong hands, there are no security concerns. The device simply gives users a larger image and a QWERTY keyboard.

Using the handheld Planon Printstick, a tiny thermal printer, Soldiers can print up to 50 pages when away from the office. To share a presentation with others, Go Mobile users can plug in the battery-operated Optomo Pico Pocket Projector. This device generates full-sized images of presentations accessed from a smart phone.

Should a battery start to die, the Soldier could employ a mini-solar charger, roughly the size of a computer mouse, to power a phone or PDA for up to eight hours. Another option is a solar-powered backpack. Covered with solar panels, the pack can convert sunlight to stored power while the Soldier is on the move.

The Go Mobile smart phones, together with available peripherals and accessories, offer today's soldier secure wireless capability that ensures access to data and email anytime and anywhere and an operationally flexible capability replacing many of the features of the laptop.

AKO/Defense Knowledge Online (DKO) Increase Support to Army and Department of Defense (DoD) Users

The year was extremely busy for AKO/DKO as the office implemented numerous enhancements, upgrades, and expanded service for military users worldwide.

Portal Upgrades

Upgrade of the AKO/DKO portal software was completed to support Internet Explorer and Firefox browsers. The upgrade implements back button functionality within the portal as well as provides content and ownership tagging to enhance searches.

To enhance portal security AKO/DKO implemented Knowledge Based Authentication (KBA), a feature designed to prevent loggers from gaining unauthorized access to users' accounts using captured user names and passwords.

Web site Support

AKO/DKO also completed a long-term enhancement of the portal files capability to improve its usability. A tiles view was added to complement the existing files view and a "trash can" allows users to recover recently deleted files. Lastly, a files drag and drop capability between portal and desktop was added. AKO/DKO added a dynamic, new portal search capability that permits the user to focus and narrow a search of the portal more efficiently.

Web site support was provided to several Army organizations during the year including three Web sites for the US Central Command (CENTCOM) and US Forces Iraq (USF-I). The AKO/DKO team launched an Arabic Web site for USF-I to support deployed operations in Iraq.

In addition, AKO/DKO worked with the Arlington National Cemetery (ANC) Provisional Oversight Group (POG)/G6 team to provided Web site hosting support to ANC. Working with the ANC POG/G6, the AKO/DKO team assisted in transitioning the ANC Web site to the ".mil" domain. This migration brought ANC in compliance with information assurance requirements.

Did you know?

- AKO/DKO portal has more than 2.3 million NIPRNet users
- AKO/DKO portal has more than 127,000 SIPRNet users
- AKO/DKO on average has 941 million downloads a month
- AKO/DKO handles 3.2 billion email messages per year
- AKO/DKO blocked more than 53 million spam emails in 2010.

Business Process Management (BPM)

AKO/DKO is expanding use of the BPM tool within the AKO/DKO portal. BPM integrates and exploits portal capabilities such as document management and security, permissions, people–users and groups–organizational hierarchy, email and electronic notifications, and adds capabilities for forms, rules-based decisions, roles, and routing activities.

The BPM tool enables efficient workflow modeling and cost-effective implementation of applications to support Army and DoD organizations' missions. It permits an organization to automate a wide range of business operations using a Web-enabled development environment provided by AKO/DKO. AKO/DKO verifies newly developed applications processes for using organizations and promotes them to the operational environment when they are ready.

AKO/DKO developed an organic BPM training course to certify designers access to the development environment to model processes and develop applications that suit their organization's needs. AKO/DKO will conduct quarterly classes in the DC area and will schedule classes outside the National Capitol Region (NCR) at an organization's request.

The AKO/DKO BPM tool is being embraced by many Army, Army National Guard (ARNG), and DoD customers. The Army Medical Department's Warrior Transition Command uses BPM to automate the processing requirements of wounded warriors as they move through the system to return to duty or to leave the Service. DoD's Business Transformation Agency (BTA) has developed a number of applications, including one that aggregates performance metrics from 60 standalone systems to facilitate reporting and control expenses, an application to request and approve telework, and an acquisition application used to push requirements and manage acquisition and funding.

Secure Instant Message (IM)/Chat Queuing supports DoD Tele-Behavioral Health for Deployed Forces

AKO/DKO is supporting secure communications for deployed troops to "chat" with behavioral health counselors 24/7. This enhanced capability offers deployed troops a new alternative to access behavioral health support from austere locations with complete confidentiality.

Working with Army Medical Command (MEDCOM) and Army Telemedicine and Advanced Technology Research Center (TATRC), AKO/DKO enhanced what users know as IM/Chat by adding a secure queuing and routing capability. This allows users to click one button to get routed to a counsellor anytime day or night, extending medical reach to deliver care to deployed troops, regardless of the location.

AKO/DKO performed a variety of functional tests between the AKO/DKO primary facility and forward operating locations in Afghanistan and, although bandwidth is always at a premium in Southwest Asia (SWA), found no performance or latency problems. A Tele-Behavioral Health team in Afghanistan performed additional tests and demonstrations of the secure IM/Chat; with timed IM/Chat requests requiring only an average of 11 seconds from the time test patients initiated a request and counselors accepted to establish secure sessions and begin chatting. Additional user tests with MEDCOM and PEO EIS' MC4 personnel provided additional positive feedback on the service's readiness to support SWA. The new service will begin operation in FY11.

Acqusition, Logistics, and Technology Enterprise Systems and Services (ALTESS): Planting Seeds for Greener Operations

The acquisition domain's information management, technology, and assurance provider, ALTESS, launched several initiatives during the year to optimize the energy efficiency of its facility, positioning it as one of Department of Defense's (DoD's) state-of-the-art data centers. The largest of these initiatives was the adoption of Virtual Machine (VM) technology.

VMs make it possible to house multiple software applications on a single server. Consolidating servers such as VMs can eliminate up to 94 percent of the data center's carbon emissions, and reduce the facility's energy consumption up to 80 percent. Currently, more than half of the ALTESS-hosted servers are virtualized with a goal of over 80 percent by 2012.

To manage data center temperature in a high-density computing environment, ALTESS installed a state-of-the-art in-row precision cooling system. Compared to traditional cooling systems, in-row cooling requires 43 percent less energy to operate. Strategically placed and configured, in-row cooling removes heat from the air using variable-speed fans and reduces energy usage in the process.

Heat management is critical for the deployment of a high-density server environment. These fully networked, intelligent cooling systems maximize efficiency and allow for adjusting to the dynamic demands of the environment. The networked cooling systems provide for proactive control and management of the environment as well as predictive systems maintenance.

ALTESS is positioning for the use of "free cooling," which uses cold air from the atmosphere as a means of cooling. This allows the use of external ambient air temperatures to cool the data center during cooler

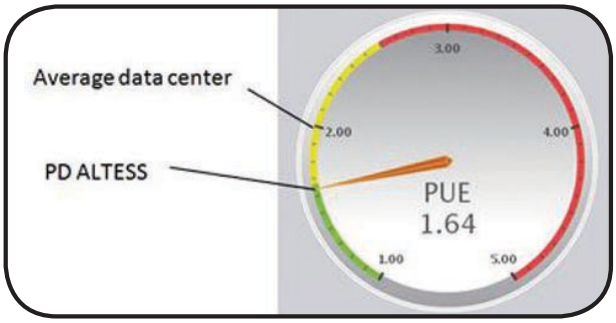
These multiple projects have made ALTESS a leader in low-cost, environmentally-friendly data center management for the DoD.

times during the year or at night. Free cooling could provide the facility with as much as 8,300 hours of natural cooling a year, for a cost avoidance of approximately $59,000 annually. Free cooling will also lessen the demand on the data center's cooling system, thereby further decreasing power usage.

In 2010, ALTESS was accredited for the installation of building automation and monitoring software. These tools collect energy data in real-time from hundreds of sensors. The automation function uses occupancy sensors to control the lighting throughout the office areas, and optimizes the facility's heating/cooling. In addition to lighting controls, ultra-efficient fixtures were installed which reduced the total lighting load by 45 percent.

According to a Lawrence Berkeley National Laboratory study, the average Power Usage Effectiveness (PUE) for US data centers is 2.0. ALTESS's current "green" initiatives have reduced the PUE score to 1.64, far below the national average. Future "green" projects could realize a PUE as low as 1.2.

Future green initiatives include an advanced power distribution system. By adopting ultra-efficient auto-transformers and switching to a higher, single-phase voltage, ALTESS will better use available electricity. The advanced power distribution system will also prevent losses in distribution lines and power supplies.



Grafenwoehr, Germany Goes Green with New Fuel Cell Backup Power

Engineers and Soldiers alike have long fluttered with excitement over new technology that could provide a more efficient, reliable, and environmentally sound energy source to support infrastructure within the Grafenwoehr Training Area. In 2010, National Service Center (NSC) made that concept a reality. After three years and $23 million, NSC's Installation Information Infrastructure Modernization Program (I3MP) upgraded Grafenwoehr Training Area's power needs with fuel cell technology.

"A better solution was requested," said Major Sean Troyer, I3MP Product Director – Europe, while speaking about the needs they faced with the former power supply system. "Upon further investigation, it was determined that fuel cells could provide enough power for air conditioning and lights inside a telecommunications room. This finding also allows fuel cells to replace diesel powered generators."

I3MP capabilities, in support of the continued implementation of Army knowledge management, will significantly impact the Warfighter's ability to obtain secure access to critical information.

Engineering began in September 2007 and the contract was subsequently awarded in June 2008 with millions of dollars invested in the community. This investment resulted in an increased network and communication connectivity to more than 13,400 users. I3MP upgraded the capacity and reliability of voice and data infrastructure and provided the framework for moving to a net-centric, knowledge-based operation. Additionally, the project enhanced connectivity between the forward deployed and rear forces. It supported installation communications during readiness, training, and mobilization for sustaining bases and tactical and strategic systems that operate within the confines of the installation.

Amid the increasing energy demand and cost and growing public awareness for energy conservation, fuel cell power has become a top choice for on-site power.

I3MP capabilities, in support of the continued implementation of Army knowledge management, will significantly impact the Warfighter's ability to obtain secure access to critical information. This infrastructure is critical for reach back and power projection of the digital division and employment of advanced technology for an agile combat force.

This project's success is helping to achieve the Army's directive to find and implement green technology.

Telecommunications Upgrades Anchor Army Modernization Goals

The Army's innovative and newly launched wireless Secure Internet Protocol Router Network (SIPRNet) kit will transform how quickly and easily units around the world can access and use classified data. For the past few years, the Army worked diligently to improve communication products for its Warfighters with a superior information vehicle that would help transform the Army into a more net-centric environment. The new SIPRNet kit, introduced in 2010, reflects a significant move in supplying such a need.

National Service Center (NSC), working with the US Army Information Systems Engineering Command (ISEC), developed a secure communications system at an "…unprecedented level of efficiency," said Miguel Buddle, Mobility Kit Project Lead for NSC. Buddle said that the SIPRNet kit, like a commercial broadband wireless card, is a quick, cost-effective transportable device that provides Soldiers with on-the-go productivity.

One kit can support three users in wireless connectivity and 20 users in or with wire connectivity. The kit's versatility stems from its modular, flexible design. Both components can operate on 110- or 220-volt electrical power. The kit can interconnect with a VSAT to provide SIPRNet capability. Once it is added to a facility and is hooked to non-secure secure network cables, anyone can receive access to the SIPRNet system. Secure communication is established across an unsecured network through encryption tunnels between the two components.

The acceptability of the SIPRNet kit continues to rise quickly, thanks to the value it brings to organizations. At Camp Shelby, MS, the largest state-owned training site in the nation, the two-part kit improved training efficiency. Of Camp Shelby's more than 100 available buildings used for Battalion and Brigade elements, only four are physically wired for SIPRNet. The kits allowed the installation to accommodate 4,000 Soldiers over time without huge investments in money, manpower, and materials needed to change building infrastructure. In Summer 2010, 8,000 people trained at Camp Shelby. "The kits have been an excellent solution for our posts because of so many visiting units. The speed is good with no limitations," said LTC Beverly Hartsfield, Telecommunications Program Coordinator at Camp Shelby.

Staff SGT Terry Stewart, a member of Hartsfield's staff, agreed. "The first unit to use the kit had zero service calls for the kit itself," Stewart said. "The kit is truly plug and play. You plug it in and it works…it is extremely user-friendly and portable."

"The SIPRNet kit is a reflection of NSC's commitment to transform the Army to a more modular, net-centric, expeditionary force," said Robert Golden, Project Manager NSC. "The kits keep our sites technologically current, thus allowing top-notch training that equates to a more agile force – precisely what we want for our Soldiers and nothing less."

Installation Information Infrastructure Modernization Program (I3MP) – Connecting the Warfighter

I3MP provides voice and data connectivity for millions of users worldwide, assisting with Voice over Internet Protocol (VoIP) telephone capability and secure and non-secure Internet protocol router network communications.

One major effort is the recent completion of a telecommunications upgrade in Europe where Soldiers will reap the benefits of a fiber optic system that dramatically reduces one major obstacle – traffic jams along the information super highway.

Dense Wave Division Multiplexed-Optical Transport Network (DWDM-OTN) takes multiple video, audio, and data channels and merges them into one data stream. It is a fiber optic tool that assists in increasing speed and expanding bandwidth. Fiber optics sends information from one place to another by transmitting pulses of light through an optical fiber. I3MP's DWDM-OTN is maintained and operated by the Army's 5th Signal Command in Mannheim, Germany.

The network consists of three DWDM fiber rings spanning 1,305 miles connecting Army locations throughout Europe. Before the DWDM, the existing network provided 10 gigabits per second of bandwidth to a building. Now scaling capability is 400 gigabits per second. The network enhances reliability and survivability through a process called out-of-band management where a network separate from the primary network is used. This allows a problem in the system to be resolved without total operation shut down.

Installing such rings means replacing electric copper wire communications underground with optical fibers. This smooth transmission of information allows Soldiers to multi-task with ease, running five or six applications on computers with little disruption.

One major effort is the recent completion of a telecommunications upgrade in Europe where Soldiers will reap the benefits of a fiber optic system that dramatically reduces one major obstacle – traffic jams along the information super highway.

I3MP's innovative use of the DWDM-OTN tool allows the Army to continue to modernize communications while improving voice and data connectivity for millions of Soldiers worldwide.

Defense Communications and Army Transmission Systems (DCATS) Connects the Logistician With More Than 3,000 Combat Service Support (CSS) VSATs

In the days following Operation Iraqi Freedom, the Army's 3rd Infantry Division advanced more quickly than thousands of requisitions they needed to support. That's when the mantra "connect the logistician" started in the halls of the Pentagon.

"I started hearing – connect the logistician, connect the logistician, we have to connect the logistician," said MG Bob Radin, the Army's Deputy Assistant for Logistics (G-4). "It became a mantra that LTG Claude Christianson, the Assistant Chief of Staff, G-4, echoed to his Army staff." The solution to the problem was the CSS VSATs which not only provided Army logisticians with their own communications system to pass requirements, but at the same time eliminated "sneaker-net" – the need for Soldiers to go in harm's way to convoys to hand-carry requisitions. In November 2010, the DCATS team deployed 3,356 CSS VSATs to not only logisticians but to biometric, medical, personnel, and security troops worldwide, equating to 93 percent of the current requirement of 3,620.

The program started with a first-generation of 18 prototype units utilizing a .96 meter dish that was fielded in Mar 2004 by the Defense Wide Transmission Systems (DWTS) Product Office – part of the DCATS Project Office. Currently, DWTS is fielding the fourth-generation of CSS VSAT utilizing a 1.2 meter Hawkeye II-enhanced dish.

Mr. Gary L. Winkler, PEO EIS, hailed the program as a model for Government-industry partnership. "This is a perfect example of how you do it right – partnership between Government and industry," Mr. Winkler said. He noted that since the start of the program, the per-unit cost had decreased by 30 percent, that bandwidth cost had decreased by 20 percent, and the unit is 30 pounds lighter.

COL Jeff Mockensturm, DCATS, said the CSS VSAT is a key enabler of expeditionary operations in austere environments – a true turn-key solution. "CSS VSAT provides voice and Internet capability to send and receive logistics data wherever logistics Soldiers are worldwide," he said. "In fact, the Army G-4 has directed the use of CSS VSATs in garrison, so using the system is second nature to Soldiers when they deploy – such as to Haiti, where Army units took their CSS VSATs when they deployed to support humanitarian relief efforts there."

But it all started with the mantra "connect the logistician" which, Radin said, is even more critical in the rugged, mountainous environment of Afghanistan. "I can't imagine how we could support the force as our President and our country have asked us to do in the movement of troops into Afghanistan without this capability," Radin said.

New Facility Allows Engineers to Provide Better Wireless Solutions for Army Logisticians

Secure, wireless communication solutions are a major part of the modern military arsenal. Thanks to DCATS, a new facility in Fort Huachuca, AZ, was created to develop, test, and improve technology to fit the evolving communication needs of the Warfighter.

Troy Roberts, Director of the US Army ISEC Enterprise Systems Engineering Directorate, said that the 4,500 square-foot steel facility was needed for personnel supporting DCATS Combat Service Support Automated Information Systems Interface (CAISI) and the CSS VSAT programs. “These two programs were spread out over six separate laboratories before the new facility was built.

“It is spacious enough to ensure no inter-radio interference and the metal walls provide excellent isolation from competing Radio Frequency (RF) noise outside,” Roberts said. There is also a classroom in the facility allowing the CAISI team to conduct user training.

The facility’s secure yard area, with accessible power outlets, houses 11 instrumentation trailers and two General Services Administration (GSA) vehicles, to facilitate CAISI testing in the Fort Huachuca mountain range areas. Catwalks on two sides of the building and CAISI antennas allow the ISEC personnel to better conduct long-range transmission testing.

“There is even a CSS VSAT on the roof of the facility which provides uplink to the satellite,” said LTC Anthony Sanchez, Project Manager DWTS, explaining that is recreates battlefield conditions, where each Brigade Support Area will have a set of CAISIs and a CSS VSAT. “The CAISIs provide connectivity for the logisticians’ Standard Army Management Information Systems (STAMIS), which they use to process maintenance transactions and requisitions for parts and supplies, and the CSS VSAT provides the uplink for the CAISI network for satellite connectivity.”

Thanks to DCATS, a new facility in Fort Huachuca, AZ, was created to develop, test, and improve technology to fit the evolving communication needs of the Warfighter.

The DWTS project office fielded more than 18,000 CAISI modules to Army units and is currently fielding CAISI 2.0, the second generation system. “CAISI 2.0 is the Army’s only certified wireless LAN meeting Wireless Fidelity (WiFi) Protected Access-2 Security Standard 802.11i, assuring secure wireless transmission,” said Sanchez.

According to Brad Amon, ISEC’s CAISI Engineering Team Leader, CAISI 2.0’s strength is its extended transmission range. “When you’re using point-to-point mode on the CAISI radios, the directional grid antenna can shoot a signal up to 35 miles across a valley or wherever we have visual line-of-sight from both antennas,” said Amon.

That kind of secure technology is giving Warfighters the edge in Iraq and Afghanistan.

Computer Hardware, Enterprise Software, and Solutions (CHESS) Offers Big Savings in Hardware and Software

Need a computer? Need a printer? How about an Enterprise license for 25,000 users? Whatever your IT hardware and software needs, CHESS is ready to help, offering state-of-the-art products while keeping prices in check.

As the Army's mandatory source for commercial hardware and software, CHESS has provided acquisition support the Army since 1996 and is expanding that support to meet the evolving needs of the Soldiers. In 1996, the Clinger-Cohen Act introduced a preference for Commercial-Off-the-Shelf (COTS) products in the Federal Government. Sales of COTS products through CHESS, known at that time as the Army Small Computer Program (ASCP), peaked at $363 million. COTS sales for FY10 alone hit $3.6 billion, bringing CHESS' total sales to $21.5 billion. Even more significant are the savings and cost avoidance generated by the program. In FY10, CHESS generated a cost avoidance of $724 million, increasing the program's total cost avoidance to $4.5 billion. CHESS' tremendous success can be attributed to the organization's ability to cost-effectively meet the Army's requirement to stay abreast of technology.

To increase savings for the Army, CHESS established its Consolidate Buy (CB) program in 2005. The CB provides the Army a window to leverage its buying power twice each fiscal year (January to March and June to September). During the CB, CHESS' Army Desktop and Mobile Computing-2 (ADMC-2) contract vendors provide additional discounts on top of the already low pre-negotiated prices for state-of-the-art COTS desktop and notebook computers and monitors, each with a large selection of options and upgrades.

CHESS' FY10 CB resulted in sales of 68,906 units at $58 million with a cost avoidance of $7.7 million. Total sales since beginning the program topped $715 million with a total cost avoidance of $275.8 million.

A major benefit of the CB is that every Soldier pays the same low unit price for a single desktop or notebook because the price is based on the total large quantity Army procures. CHESS serves as the Network Enterprise Technology Command (NETCOM) "distribution point" so every CHESS desktop and notebook comes preloaded with the architecture and security standards required to run on the LandWarNet. No other provider of COTS products offers that assurance.

With the increased need for Enterprise licenses, CHESS awarded three Enterprise License Agreements (ELAs) during the year, including two awards for BMC software and Computer Associates help desk software that will support the Army's Enterprise Service Management System (ESMS) Network Operations (NETOPS) requirements. Potential cost avoidance for the two agreements is $220 million. In addition, an Enterprise license award was made for Minitab, which provides the software supporting the Army's Lean Six Sigma (LSS) projects. The cost per single user license is $194 versus the $1,700 or more outside the Army. The CHESS office consolidated Army user requirements to provide a lower cost for each order with a quantity. These ELAs supplement the other 25 CHESS-managed ELAs valued at $2.6 billion.

To support Department of Defense's (DoD's) transition to Voice over Internet Protocol (VoIP) telecommunications systems, the CHESS office collaborated with NSC to make it faster and more cost-effective to purchase VoIP phones and right-to-use licenses. VoIP technology uses voice communications over an IP data network rather than a separate, dedicated voice network, and is the foundation for implementing features known as unified capabilities. By itself, VoIP simply provides a service no different from basic telephone service. However, in purchasing VoIP phone to support VoIP infrastructure, Soldiers will experience a range of additional services that include instant messaging, video calls, do-it-yourself conferencing, and phone collaboration.

"There's more to implementing VoIP than just having phones," said Robert Golden, Project Manager NSC. Since implementing VoIP capability often brings a variety of concerns not associated with conventional telephone service. CHESS has included information on their Web site that will assist customers in purchasing a VoIP phone.

Bottom line – CHESS contracts and license agreements leverage the Army's Enterprise purchasing power, provide state-of-the-art technology, and protect the LandWarNet. Information and ordering/review of all products offered by CHESS is available at the CHESS Web site https://chess.army.mil.

Logistics Systems

Army Enterprise Systems Integration Program (AESIP) Aligns Army Enterprise Resource Planning (ERP) Solutions

The year 2010 brought the Army significantly closer to its goal of integrating ERP systems through efforts of the AESIP. AESIP, a central element in the Army's business transformation efforts, is responsible for the complex integration aspects of ERP, a Web-based system used to modernize, streamline, and standardize Army business-related tasks and supply chain processes. Serving as the Army's Enterprise hub, AESIP also synchronizes deployment and development activities of the ERP programs.

To improve the functionality between ERP systems, a new leadership structure was implemented this year by PEO EIS. The new construct enables AESIP to drive cross-functional business integration among ERP programs to include the Logistics Modernization Program (LMP), Global Combat Support System-Army (GCSS-Army), and the Manufacturing Execution System (MES), and AESIP hub products.

"By implementing the management of ERP programs under a single program and PM within PEO EIS, we are able to better allocate functionality between systems in a way that aligns with the capabilities of the software," said COL Pat Flanders, Project Manager AESIP. "The end result is that we will be better

able to achieve cross-functional integration, as authority will be sufficient for responsibility."

Among the notable ERP achievements in 2010, AESIP supported and managed the successful implementation of "Go-Live" ERP activities of both LMP and GCSS-Army. To further strengthen organizational processes, AESIP also stood up an Independent Verification and Validation (IV&V) team that has added a new level of rigor to its risk management process.

LMP

Each ERP success brings the Army's vision of creating an end-to-end integrated logistics Enterprise closer to achievement. The LMP solution replaces an array of 35 year-old legacy systems that managed inventory and depot repair operations with national-level supply chain functionality and processes. LMP Project Management Office (PMO) focused 2010 efforts on its third and final "Go-Live" in October 2010, bringing LMP to full deployment. This critical milestone allows the Army Materiel Command (AMC) to provide world-class logistics readiness to the Warfighter and combatant Commanders across the globe.

LMP now serves more than 21,000 users and manages $4.5 billion in inventory. The system interacts with 50,000 vendors, processes 4 million transactions daily, and integrates more than 70 Department of Defense (DoD) systems.

Operational since July 2003, LMP now serves more than 21,000 users and manages $4.5 billion in inventory. The system interacts with 50,000 vendors, processes 4 million transactions daily, and integrates more than 70 Department of Defense (DoD) systems. LMP's most recent deployment in October 2010 accounts for 11,000 additional users at 29 CONUS and Outside CONUS (OCONUS) sites at the Tank and Armament Command (TACOM), Joint Munitions and Lethality (JM&L), and Army Sustainment Command (ASC).

This final deployment retires the Standard Depot System and 97 percent of the Commodity Command Standard System legacy applications, demonstrating a huge Army achievement in giving Soldiers enhanced logistics capabilities. Under the legacy systems, at times it was "I got a hunch, bought a bunch," said Larry Asch, Special Assistant to the Project Director (PD) LMP. Users had limited tools to drill down to plan their workload requirements, he explained.

"Now with the fully integrated suite of software, Soldiers have state-of-the-art, world-class Enterprise-forecasting tools. They see in real-time where their assets are located, the status of repairs, new buys, and what if scenarios," he said. This allows them to fulfill the demands quickly and efficiently, freeing Soldiers to perform other important duties.

Paula Nilsson, Assistant PD, Enterprise Expansion, LMP, observed the recent "Go-Live" event at TACOM, Warren, MI. She said users were impressed with how quickly back orders were released and requirements were processed. She explained that as they start to fully utilize

the system, they will also see the benefits associated with depot work loading. "In the past, maintenance requirements could take up to two weeks. Now, it's only two days," she said.

Nilsson noted that LMP reaches Soldiers worldwide. The program equips those in Iraq and Afghanistan who deal with the war reserve assets, as well as those in Kuwait, Qatar, Italy, Korea, and Japan. The impact of LMP lies in enabling users to see an up-to-date posture that accurately forecasts demands and fulfills Soldier requirements in a timely manner. Subject to approval by the Commanding General, AMC, the transition of the third deployment to operational sustainment is expected in early 2011.

GCSS-Army

GCSS-Army Release 1.1 was successfully launched at the National Training Center (NTC), Fort Irwin, CA, in July 2010. The GCSS-Army Release 1.1 replaced the current logistics management information systems operating throughout the 11th Armored Calvary Regiment (ACR) with an ERP solution that integrates maintenance, property book, unit supply, and finance functions for tactical logisticians.

GCSS-Army Release 1.1 sets the stage for the program's full deployment and fielding to the tactical Army in 2012. At that time, GCSS-Army will replace the current Standard Army Management Information System (STAMIS) with comprehensive, end-to-end logistics capabilities required to support the Army's modular forces.

In preparation for the important considerations and scope of the SAP integration, a series of site surveys began six months in advance of the "Go-Live" data. Teams of GCSS-Army personnel converted over 20 million data records, developed 38 independent interfaces, integrated with 16 DoD agency programs, and trained more than 200 Soldiers and civilians through Web-based and instructor facilitated training.

GCSS-Army Release 1.1 produced results and benefits similar to those anticipated when fielded to the total Army. BG Robert Adams, Commanding General of the NTC, observed the system and the transformation underway when he visited deployment facilities at the NTC. He said, "I was impressed by the strategic direction we've taken that improves asset visibility, reporting accuracy, parts handling, reduced shipping and processing time, how long jobs really take, and a whole bunch of other initiatives."

The 11th ACR has already experienced a number of proven system benefits. Soldiers no longer have to conduct periodic and time-consuming reconciliations to ensure that transactions occurring in one system are properly posted in all customer unit systems. With GCSS-Army Release 1.1, all updated occur automatically within one system in real-time.

With GCSS-Army Release 1.1, the regimental leadership moved closer to realizing the Army's goal of total asset visibility.

Additionally, Commanders at the regimental, squadron, and troop levels will have instant visibility of the readiness posture of their respective units by accessing the Commander's

dashboard feature that is an integral part of the system.

With GCSS-Army Release 1.1, the regimental leadership moved closer to realizing the Army's goal of total asset visibility. The Army Test and Evaluation Command (ATEC) is now engaged in the operational assessment phase of GCSS-Army. When ATEC completes its evaluation, GCSS-Army will be on track for a Milestone C decision in 2011.

IV&V

With ERPs, the path to progress is rarely ever a straight line. AESIP established an IV&V team to provide an additional level of surety in meeting the complex Enterprise systems integration challenges across the Army. By alerting AESIP leadership to variances and risks, and recommending mitigation strategies and best practice remedies, the IV&V team assists AESIP in delivering capabilities that are critical to the Warfighter.

Army ERP Initiatives

The Army ERP initiatives are integrated solutions. Any change in one system catalyzes changes required in other solutions to maintain the integrity of data and end-to-end business processes across the Army's business Enterprise. Aligning ERP programs continues to be one of the primary goals of the AESIP. While LMP and GCSS-Army are directly aligned under AESIP, the AESIP program also collaborates regularly with the General Fund Enterprise Business System (GFEBS) and the Integrated Personnel and Payment System-Army (IPPS-A) initiatives to achieve better integration of Army business operations.

When asked about his approach to addressing the inherent complexities of ERP integration, COL Flanders responded, "We are one," which is a simple and compelling vision for the year ahead.

Non-Classified Internet Protocol Router Network (NIPRNet) Global Services (NGS) Uses Google Earth Technology to Create a Common Operating Picture (COP)

For years, the lack of a COP for logistics on the battlefield with capability to map location and movement of equipment and cargo throughout the Department of Defense (DoD) supply chain has been expressed as a shortfall by Commanders.

In 2010, the NGS system, using Google Earth mapping, was developed through the collaborative efforts of PD TIS, PM J-AIT, and the US Army Corps of Engineers, Engineer Research and Development Center (ERDC). The system successfully overcame security and customization concerns that had previously prohibited the Warfighter from using Google's state-of-the-art technology.

Seeing the advantages of finding a common platform to visualize information spatially, the two PEO EIS logistics organizations and ERDC created a visualization environment and fully operational decision-support system based on Google Earth technology. This platform gives the Warfighter and Commanders the ability to access customized globes of specific theaters of operation, continuing satellite imagery, maps, terrain, and made-to-order data fields. Users can customize the globes to meet specific requirements. Additionally, hundreds of people can access the globes simultaneously.

NGS technology enhances and enriches PD TIS applications that coordinate unit movements, Theater operations, cargo movements, and air load planning throughout the transportation community. NGS offers Warfighters accessibility, speed, and a globe that shows the information and locations that are vital to completing their mission.

NGS also allows Commanders to coordinate the movement of cargo and supplies across a theater of operations by land and air.

Transportation Information Systems (TIS) Redefines Air Movement Requests (AMRs) in Afghanistan

The AMR capability developed by TIS did not just automate a manual process – it permanently changed the way in which rotary wing aircraft are managed in the Afghanistan theater.

Through a collaborative effort with Warfighters, the Rapid Equipping Force (REF), and industry partners, TIS developed a streamlined process to address an immediate need for better management and utilization of rotary-wing aircraft.

In Spring 2010, TIS, with assistance from the 3rd Combat Aviation Brigade (CAB), began the implementation of AMR, which now serves as the system for processing all Army aviation AMRs in Regional Command – East (RC-E) in Afghanistan.

The newly automated AMR process provides centralized visibility that allows planners to ensure that aircraft are being fully utilized to decrease wear and tear that occurs from multiple missions at less than full capacity. By optimizing airlift capability using AMR, the 3rd CAB has estimated a cost avoidance of over $2 million with significant reduction in maintenance hours and thousands of flight hours.

Until the AMR was implemented, the lack of an automated system to manage air movements in Afghanistan presented several critical problems. Accountability of personnel and supplies hinged on unreliable emails and spreadsheets that resulted in inefficiencies in the field. These inefficiencies led to decreased mission capability (due to crew endurance and maintenance time) as well as increased costs due to higher levels of maintenance and the harsh operating environment. Far too many blade hours were being expended to support unnecessary, redundant, or erroneously prioritized logistic movements.

In late 2008, Combined Joint Task Force-101 (CJTF-101) and subordinate units were using ad hoc Excel spreadsheets combined with PowerPoint and emails to track rotary-wing operations in support of air maneuvers in theater. Since TIS already had similar capabilities developed for managing ground-based transportation assets, REF agreed to partner with TIS to automate this AMR capability for the Warfighter.

The TIS Government product director staff, functional analysts, and industry partners quickly addressed this requirement with the goal of providing an automated solution based on commercial off the shelf software. Through this collaborative effort, TIS was able to apply a Commercial Off-the-Shelf (COTS) Enterprise Resource Planning (ERP) solution to quickly integrate into and develop the AMR capability. Because of the technology maturity and open architecture supportability of the ERP product, TIS was able to quickly modify and integrate the software in weeks that otherwise would have taken months. By using those “best practices” for the use of COTS software, TIS provided the Warfighter with a capability that truly delivered state-of-the-art software which parallels that of the commercial industry.

Business Systems

Distributed Learning System (DLS) Goes the Distance… Delivering World Class Training Anytime, Anyplace

Everywhere you look, you will see the emphasis on advanced technology and a better educated workforce. There is a revolution underway to leverage advanced technology. Training in the US Army is no exception. Faced with funding cuts, tremendous operations tempo, great demands on troop strength, and a need to mobilize quickly in response to worldwide situations, there is more emphasis now than ever before on Soldier readiness.

Soldier readiness necessitates training on-demand; training anywhere, anytime, 24/7. The Army is set on a course of action to revolutionize the way that training is done, and has tasked the Project Director DLS to break through old training paradigms by bringing training to the Soldier whenever and wherever needed. DLS' success in educating the Army workforce beyond the traditional classroom stems from three components – Army Learning Management System (ALMS), Digital Training Facilities (DTF), and Deployed Digital Training Campus (DDTC).

ALMS is a Web-based information system that delivers training to Soldiers, manages training information, and provides training collaboration, scheduling, and career planning capabilities in both resident and

non-resident training environments. ALMS employs the Army's IT infrastructure for delivery of Distributed Learning (dL) content and automated management of training in support of individual, group, and collective task training. With a catalog of 5,400 Web-enabled courses, 358 of which were added this fiscal year, users are able to maintain or improve their technical and tactical proficiency, obtain standard military occupational specialty skills, and develop as leaders while still performing mission objectives.

ALMS supports over 1.4 million student accounts (over 18,000 new accounts were established in September 2010 alone) and averages more than 120,000 training completions monthly. A wide variety of training topics are available to help Soldiers develop their knowledge and skills in business, information technology, and foreign language.

The addition of six new Rosetta Stone® foreign language training courses – Dari, Pashto, Urdu, Arabic (Iraq), Swahili, and Bahasa Indonesia – provides an added dimension to the already robust offering of 30 foreign language courses. The new language editions are deemed critical to national security and focus on military terms and scenarios, such as transportation; weapons and ammunition; urban and battlefield geography; terrain navigation; military and civilian roles; team leading; medical and tactical intelligence; risk assessment; and relative cultural concepts.

With a catalog of 5,400 Web-enabled courses, 358 of which were added this fiscal year, users are able to maintain or improve their technical and tactical proficiency, obtain standard military occupational specialty skills, and develop as leaders while still performing mission objectives.

The Army dL infrastructure includes the capability to provide training access for deployed Soldiers, support surge training in terms of emergency, and provide classified training. This capability, through satellite links, enables the rapid distribution of lessons learned in combat. Training via dL directly impacts the Army's ability to meet its training mission to ensure Soldiers receive critical training for mission success. DLS's 224 DTFs provide video tele-training, computers, faxes, printers, and high-speed Internet connectivity. In 2010, DTFs hosted over 425,000 trainees worldwide.

This year, DLS also completed development of the DDTCs which provide access to training for deployed Soldiers. The facilities, which include mobile, networked systems of workstations, servers, and ancillary equipment, allow connectivity to the Web via satellite communication for just-in-time training. The DDTCs provide training for up to 660 deployed Soldiers per hour at Full Operational Capability (FOC). Each of these capabilities will leverage the training resources inherent within the ALMS.

The DLS ability to supplement and complement traditional Army schools increases training opportunities and provides a positive impact on Army readiness by reducing training backlogs – bringing the Army one step closer to achieving its goal of providing "one-stop-shopping" for training information and resources.

Installation Management Systems – Army (IMS-A) and Joint – Automatic Identification Technology (J-AIT) Collaborate to Take Readiness to a New Level

IMS-A and J-AIT collaborated to introduce bar code technology at the Army's more than 150 Central Issue Facilities (CIFs), streamlining issue, turn-in, and inventory of Soldier's Organizational Clothing and Individual Equipment (OCIE). The new system, estimated to save more than $500 million a year in reduced OCIE costs, is being implemented throughout the Army, including the Army National Guard (ARNG) and Army Reserve facilities.

IMS-A was given the challenge to develop a state-of-the-art inventory system to replace the manual, labor-intensive process of maintaining and issuing Soldier's OCIE, such as helmets, sleeping bags, body armor, etc. OCIE transactions at CIFs worldwide range from a few per month at small sites, to more than 10,000 per month at major deployment centers.

The previously manual process often resulted in inaccurate inventory records. As a result, CIF managers were forced to purchase additional essential combat items, rather than transferring excess stock from one location to another to meet surges in combat OCIE requirements. This risk of delaying combat unit deployment, or deploying troops without essential gear, was too great to rely on cross-leveling excess OCIE from one location to another based on the manual inventory process.

In addition, Item Unique Identification (IUID) numbers were not tracked, so CIF managers were unable to easily identify and recall defective equipment such as thermal sights. These problems prevented the Army from having an accurate picture of its OCIE levels, locations, or item condition. The IMS-A IT team worked with key stakeholders, including senior Army Logisticians and installation CIF managers to identify and implement a cost-effective IT system, compatible with current software, that would improve inventory accuracy to better than 90 percent. The team identified user-friendly automated IT (bar coding), already available in the market place, that would significantly improve inventory accuracy of clothing sizes, equipment condition, and item counts at the CIF, providing facility managers the option to transfer stocks to purchase new items.

The IMS-A IT team also worked with J-AIT managers to leverage their bar code technology and expertise. The J-AIT team, with its extensive expertise and information on bar coding applications, collaborated with the IMS-A team to identify sources and systems most applicable to the challenge.

In spite of the practicality of improving inventory to allow cross leveling, it became apparent that obtaining resources to fund the solution would take several years through the Program Objective Memorandum (POM) process. The IMS-A team worked with PEO EIS management to re-allocate resources to support the bar code task.

This collaborative effort not only streamlines operations for Soldiers, but it also assists in achieving the Army Chief of Staff's directive to reach equipping balance within the Army to reduce the cost of inventory without risking readiness.

Human Resource (HR) Solutions Joins PEO EIS

HR Solutions is PEO EIS' newest project office, having joined the organization in late July 2010. Previously assigned to the Office of the Assistant Secretary of the Army for Manpower and Reserve Affairs (ASA M&RA), HR Solutions' professional staff streamlines the acquisition of human resource services for the Army and other selected agencies through a competitive, efficient, and standardized contracting process. The HR Solutions vision is to deliver cost-effective, easy-to-use solutions to Soldiers.

HR Solutions offers assisted acquisition support to Department of Defense (DoD) organizations in four mission areas: Management and Administrative Support, Recruitment and Retention, Personnel Services and Support, and Studies and Analysis. Pre-award support includes finalizing requirements and developing solicitation documents such as performance work statements and independent Government cost estimates, as well as facilitating Government funding documents. Post-award assistance includes processing invoices, reviewing monthly status reports, preparing task orders modifications, and other post-award documentation.

HR Solutions facilitates a wide variety of support services. One HR Solutions task order supports Soldiers by facilitating a hotline that wounded and severely ill Soldiers and their families can use at any time to reach an independent qualified counselor. In addition, HR Solutions supports Soldiers transitioning back to civilian life by operating Army Career and Alumni Program (ACAP) centers and satellite offices where pre-separation counseling and employment assistance services are provided.

Another HR Solutions effort facilitates critical financial management support for mobilizing and demobilizing Soldiers. This includes general customer service support and inquiries, Soldier readiness point customer service, finance in- and out-processing, separation point procedures, reenlistments, and debt management.

Currently, HR Solutions is managing hundreds of contractual activities through its Indefinite Delivery, Indefinite Quantity (IDIQ) contracts. IDIQ contract holders provide HR Solutions with the expertise necessary to carry out these tasks. In 2010, HR Solutions awarded IDIQ contracts to 28 industry partners in two of its four mission areas. Contracts have a one-year base period plus four option years with a total ceiling of more than $1.3 billion.

In December 2009, HR Solutions awarded 12 IDIQ contracts for Studies and Analysis which focus on business planning, research and evaluations. In the Management and Administrative Support mission area, HR Solutions awarded contracts to 16 prime vendors. These contracts offer support for general HR processes, facility management, organizational and data analysis, management, training, meeting support, record keeping, logistics, property management, marketing analysis, and general administrative tasks.

For the other two mission areas, HR Solutions awarded contracts in early November. Personnel Services and Support contracts, which focus on personnel life cycle support, transition support, employment assistance, awards, and well-being programs, went to 17 prime vendors. Recruitment and Retention area contracts were awarded to 14 prime vendors or support to HR programs and systems with a focus on professional program support, processing, information handling, assessment and recruiting and retention. These contracts replace four HR Solutions IDIQ contracts in place since 2004.

Remaining a key PEO EIS program office providing invaluable services to Soldiers and civilians, HR Solutions is re-locating to Fort Knox, KY, as part of the Base Realignment and Closure (BRAC) initiative.

General Fund Enterprise Business System (GFEBS) Deploys to Southern and Western Regions

GFEBS is revolutionizing the Army's financial framework by developing a Web-based system to share financial and accounting data across the service. GFEBS will integrate financial, real property, cost management, and performance data into one system providing online, real-time transaction and information capability accessible to all Army organizations worldwide, including the ARNG and Reserves. GFEBS will give top-tier Army and Department of Defense (DoD) leadership timely, accurate data to view and make sound business decisions as well as provide Congressional overseers the level of financial accountability they need.

While GFEBS replaces scores of incompatible legacy systems, it also provides benefits beyond the financial arena offering new and improved capabilities for Army-wide interoperability, increased quality and effectiveness, reduced cycle-time, and freeing human and financial capital for higher priorities. With GFEBS, the Army can identify immediate funding needs and develop strategies that target near and long-term demands of Congress, the Army, and the Warfighter.

The system's Go-Live during 2010 included a mini-deployment in January to the Army Medical Command. Wave 2 deployed in April to the southeast region and Wave 3 deployed in October to the western region. End-users increased from 1,500 to 11,000 at over 50 individual sites. New Warfighter capabilities included integration with GCSS-A and financial support for foreign payroll, and Foreign Military Sales (FMS) training. When fully deployed, GFEBS will subsume more than 80 legacy systems and have more than 79,000 users at 200 plus locations worldwide.

> "When asked to do the impossible to implement a system from start to finish in less than three months, team GFEBS stepped up, trained the workforce, established cost centers, inventoried our property, and we went live on 1 Oct"
>
> Ms. Kathryn Condon, Director,
> Army National Cemeteries Program

In addition to deploying, GFEBS assisted the Army National Cemeteries to implement the system early. Ms. Kathryn Condon, Director, identified the critical lack of financial accountability in the Cemeteries Program and worked with the Principal Deputy Assistant, Secretary of the Army (Financial Management and Comptroller) to transition Arlington National Cemetery (ANC) to GFEBS months earlier than scheduled.

Although the Army National Cemetery is a small organization in relation to other Army elements, they have to contend with many unique factors not present in other Army programs such as no-year funding, acceptance of gifts and donations, and real property attached to a nearby installation. GFEBS staff worked closely with the Defense Finance and Accounting Service (DFAS), the Army's Budget Office (ABO), Office of Assistant Chief of Staff for Installation Management (ACSIM), and the National Capital Region Contracting Center (NCRCC). To ensure Army National Cemetery's real property converted properly to GFEBS, the ACSIM coordinated a 100 percent real property inventory and provided an experienced real property specialist to add and upgrade real property records prior to implementation.

GFEBS is making great strides in moving the Army to a culture of cost management, focusing on operational outcomes rather than budgetary inputs, and attaining the highest level of Warfighting capability per dollar spent.

Headquarters

PEO EIS Continues Making Great Strides with the Lean Six Sigma (LSS) Program

Lean is about speed and efficiency. Six Sigma is about precision and accuracy. Since 2005, the Army has used these two process improvement methodologies to gain efficiencies and effectiveness, and PEO EIS has soundly embraced this approach.

"The LSS program at PEO EIS has been very successful," explained Sarah Fidd, Director of Business Transformation and Strategic Communications, and PEO EIS's LSS Deployment Director. "Management is committed to maximizing efficiencies and has dedicated resources to make our program viable."

LSS provides Army units and organizations a methodology for improving operational practices and reducing costs. The continuous process improvement methodology is built around understanding critical requirements and how organizations perform against the criteria to meet those requirements. Practitioners are required to earn "Belts" which distinguish their level of expertise:

- Green Belts (GBs) - part-time practitioners who apply LSS to projects in their job areas and identify opportunities for improvement

- Black Belt (BB) - either part or full-time practitioners who apply LSS to projects for the organization
- Master Black Belt/Black Belt (MBB/BB) - mentors/coaches for BBs and GBs, driving organizational change and strategic project execution.

PEO EIS is exceeding the majority of its goals. The collective support and participation from the workforce helped PEO EIS complete 31 LSS projects in 2010; more than doubling the number of the previous year's projects while recognizing more than 150 employees for their leadership and teamwork in LSS projects. At the end of the year, PEO EIS had certified 9 BBs and 31 GBs.

The PEO EIS Business Transformation Team has made great strides in successfully deploying a culture of learning and change throughout the organization. A measure of that change is the progress in developing the LSS program. According to the Army's LSS Deployment Maturity Model, PEO EIS is at Level 4 - out of 5. This model is based on eight maturity areas of performance: Results, Organization, Leadership, People, Project Management, Measurement/Analysis/Knowledge Management, Training, and Strategy/Doctrine.

With more than 90 percent of the active workforce knowledgeable and practicing LSS and Continuous Process Improvement (CPI), PEO EIS has amassed enormous cost savings ($297.9 million in cost avoidance with well over $35 million in 2010) and earned prestigious recognition DoD-wide.

Equally significant is PEO EIS' recognition in the Army LSS program. A year ago, Ms. Regina Bumper, a personnel/protocol specialist in the PEO EIS Operations Directorate Human Resources Office, completed her GB training. In late October, with Mr. Reginald Bagby as the Project Sponsor, and Regina as the assigned GB, the team won the DoD's 2010 LSS Excellence Award Program (LEAP) GB Project Team Award for outstanding contribution and results of individual LSS project teams, one of the highest LSS awards given. The project titled, "Improve PEO EIS In- and Out-processing", highlighted improvements for in- and-out-processing all employees within the organization.

PEO EIS's AcqBusiness has been credited with assisting the Mine Resistant Ambush Protected (MRAP) Joint Project Office (JPO) in an effort which resulted in another LEAP award nomination, citing a $1.5 billion cost avoidance. PEO Combat Support (CS) and Combat Service Support (CSS), the MRAP Requirements Management Process (RMP) project sponsor, lacked a streamlined procurement process for MRAP upgrades and reached out to AcqBusiness for an automated, controlled process. With an 8-week turnaround, AcqBusiness developed the MRAP Requirements Management System (MRMS) prototype which enables users to procure th e equipment to satisfy only the requirements identified as a priority when upgrading an MRAP vehicle. The MRAP RMP process, which includes the MRMS, was part of the LSS projected nominated for the LEAP award.

"This is an excellent example of PEO EIS looking beyond its own LSS projects and contributing to other organizational efforts," explained Fidd. "We look at LSS as an Army Enterprise initiative to increase efficiencies across organizational lines, not just within our own PM offices."

Other projects focused on improving PEO EIS as an organization. The "Optimize PEO EIS Overhead" project addressed efficiencies in the structure and overhead costs for each of its PM offices. During the project, a detailed analysis was conducted to establish improved processes for managing the organizational structure. The team, led by PEO Gary L. Winkler, included the headquarters staff and PMs. The team evaluated overhead categories to determine common patterns and reduce variations. The effort optimized overhead rates by streamlining and evaluating PM office operations, developing metrics that demonstrate operational capability, and reducing costs.

PEO EIS Workforce

For several years, Congress, Department of Defense (DoD), and Army leadership have emphasized the importance of developing and maintaining a professional acquisition workforce to serve as stewards of US taxpayers' dollars while providing state-of-the-art systems and equipment to support Soldiers at home and around the world. This acquisition workforce is becoming even more critical as the Army moves into an era of doing more without more.

During 2010, PEO EIS management made significant progress in rightsizing the workforce —expanding the organic staff, emphasizing training and professional certifications, and helping to build the Army's next generation of acquisition professionals.

Workforce In-Sourcing

The acquisition community definitely benefitted from the Government's move to in-source jobs. Of DoD's 33,000 jobs targeted for in-sourcing, 10,000 are acquisition positions while 4,000 of the Army's 11,000 are earmarked for acquisition positions. The emphasis on acquisition reinforces DoD and the Army's commitment to strengthening the acquisition workforce.

In-sourcing is designed to help address inherently Governmental functions and ensure Federal employees are available to provide oversight of acquisition activities. Ms. Debra Lee, Operations Directorate (OD) Chief, Human Resources Division (HRD) confirmed, "As of the end of the year, we have filled approximately 115 in-sourced positions at PEO EIS, out of the 235 we were expected to fill by 2015."

Although PEO EIS has embraced in-sourcing, PEO Gary L. Winkler, in an article in FedTech Magazine, stressed that PEO EIS management was scrutinizing all staffing requests, making sure that "we in-source the right positions and hire the right people for the right jobs."

Certification and Training

Workforce certifications hit an all-time high in 2010 as 97.6 percent of the PEO EIS workforce became Defense Acquisition University (DAU) certified for their position or are on track to achieving their certification. Acquisition personnel are required to be DAU Level III certified within two years of being hired. Within the PEO EIS workforce, 65 percent are currently certified with 32.6 percent within their two-year window.

Employees are also diligently pursuing continuing education training with 98.9 percent of the employees accruing the required 80 or more Continuous Learning Points (CLPs) through formal classroom and dL courses, as well as attending training conferences and professional development activities.

Student Career Experience Program (SCEP)

In addition to enriching the workforce through in-sourcing and continued education, PEO EIS has made a serious commitment to promoting SCEP, which trains and develops students and puts them on a career path in the Federal Government. This program has grown significantly over the past year.

PEO EIS's participation in the program started several years ago at Acquisition, Logistics, and Technology Enterprise Systems and Services (ALTESS) in Radford, VA, and now operates in the National Capital Region (NCR) and other PEO EIS locations including Fort Monmouth and Fort Lee.

Throughout the year, PEO EIS converted nine SCEP graduates to full time, permanent positions. At the end of the fiscal year, PEO EIS had 19 students in IT management, program management, communications, and budget positions. Personnel and management officials attended student job fairs at George Mason University and Virginia Tech to recruit graduating seniors and expand the program even further.

"SCEP is definitely advantageous to the Government," explains Winkler. "We give these students real work problems and they don't hesitate to step up to the challenge. They have a lot of energy and enthusiasm, and we start the process of developing them to be the next generation of Army Civilian Senior Leaders. Definitely a win-win for us all."

The Base Realignment and Closure (BRAC) Factor: Acquisition Mission Remains Successful Despite Move from New Jersey to Virginia

PEO EIS' 2010 successes did not come without challenges. In keeping with the 2005 BRAC mandate to close Fort Monmouth, NJ, thousands of Army civilian and military personnel are scheduled to relocate with the majority going to Aberdeen Proving Ground (APG), MD. BRAC is a means by which the Department of Defense (DoD) reconfigures its infrastructure to optimize Warfighting capability and efficiency, and maximize resources while saving taxpayer dollars.

PEO EIS' Fort Monmouth project offices, Defense Communications and Army Transmission Systems (DCATS), National Service Center (NSC), Logistics Modernization Program (LMP), and Computer Hardware, Enterprise Software, and Solutions (CHESS), are moving to Fort Belvoir, VA, to be co-located with PEO EIS Headquarters. Relocation of the 466 positions sent shockwaves throughout the organizations, forcing some uncomfortable decisions for Federal employees during a troubled economy.

The mandate forced a steady flow of employees transitioning to Fort Belvoir. With employee relocation and new hiring initiatives fully entrenched, the organization looks to meet the demands of completing

a six-year implementation period that brings thousands of jobs to the Baltimore-Washington, DC, metropolitan areas. At the end of the fiscal year, 185 positions had been relocated to Fort Belvoir with the remaining scheduled to be completed by the deadline.

Efforts such as these only succeed with good leaders at the helm. The PEO maintained a perfect balance of command emphasis to get the PEO EIS BRAC efforts underway. The mission was assigned to the Operations Directorate, led by Mr. Reginald Bagby and his BRAC Task Force led by Mr. Ernest Wasikowski, working in conjunction with the PEO EIS headquarters HR department, the LAN/IT teams, and scores of other agencies. BRAC is well on track to meeting the 31 July 2011 Transfer of Function (TOF) date.

While the life-changing transition did not suit everyone's fancy, many welcomed the opportunity to leave the Garden State for greener pastures further south to the National Capital Region (NCR). For April Cappilla, business management division chief at CHESS, the decision to relocate was simple.

"I like my job and I like the people, some of whom have moved down here too," said the 12-year civil service veteran--all with PEO EIS at Fort Monmouth—who moved here a year ago. The environment is a bit different, there was more space up at Fort Monmouth and a different commute, but professionally, the job is the same."

For Jean Papa, it was simply a matter of taking a chance.

"I've moved enough to know when you have an opportunity, you have to seize it," said the 28-year veteran of Federal service. Papa, an administrative officer with DCATS, said the transition has been good. She said the difficult part of leaving New Jersey was simplified thanks to the relocation assistance she received selling her home and finding a new home near Fort Belvoir.

"Virginia is just beautiful," she said. "I am glad I am here."

For Linda Cook, the opportunity to live in Virginia was one she gladly passed up.

"It makes no sense to uproot my family to work for a few more years when I can actually retire in May," said Cook, who is eligible in Spring 2011. "If there was no BRAC, I would not have retired for a few more years."

Born in Red Bank, NJ, just a few miles from Fort Monmouth, Cook began working at the installation in 1974, fresh out of high school, as a GS-2 travel clerk with the Communications Systems Agency, now known as PEO EIS. As Chief of the Technical Management Division for CHESS, she is believed to be one of the longest tenured employees at Monmouth.

"I like the DC area with all the monuments and museums. I have a great job and good program to work for," Cook said, who would be leaving behind one grandchild and another on the way should she follow her job to Northern Virginia. "But with no ocean, no family, increased cost of living and a lot of traffic, I would rather maintain my quality of life here. But this is my story," she said. "Everyone's is different. I am grateful that I have the option to retire - not everyone is as fortunate."

AWARDS

Team Awards

Association for Enterprise Information (AFEI) Excellence in Enterprise Integration Award
Recognizes the contributions and achievements of project teams that exemplify excellence in achieving integrated Enterprises and are models of the best applications of technology and leadership to improve Enterprise.

- DoD Biometrics - Next Generation - ABIS (NG -ABIS)

DoD Chief Information Officer (CIO) Award
The highest DoD CIO Award given in recognition of outstanding achievement in DoD information management based on the intent of Title 40 of the US Code, known as the Clinger-Cohen Act, and the strategy, goals, and vision of the DoD CIO.

- PD SWA –Acquisition, Synchronized, and Responsive Operations/Services Project

American Council of Technology, Industry Advisory Council (ACT/IAC) Excellence.gov Awards
Recognizes Federal programs, and their managers, who have achieved exceptional results in the management of IT to support the Government's mission and serve citizens.

- PM DoD Biometrics –NG-ABIS
- PM MTS –Movement Tracking

ACT/IAC Excellence.gov Top 20 Finalists

- PD IMS-A - Installation Support Modules – Central Issue Facilities (ISM CIF)
- PM DCATS - Standardized Transportable-Relocatable Main Communications Facility

Department of Army Lean Six Sigma (LSS) Excellence Award Program (LEAP) GB Project Team Award
Recognizes the contributions that LSS practitioners provide to the force, leading superior process improvement and project execution.

- Operations Directorate, PEO EIS HQ – PEO EIS In- and Out-Processing

Government Computer News (GCN) Awards-Outstanding Government Agency IT Achievements Awards
Recognizes innovative use of tools at hand resulting in effective, often inexpensive systems that improve agencies' performance or eliminate significant obstacles.

- PM DoD Biometrics - Biometric Identification System for Access
- PD TIS and PM J-AIT - Network (NIPRNet) Globe Services (NGS) System

Government Information Technology Executive Council (GITEC) Awards
Recognizes outstanding achievement in the IT field by honoring Federal Government project teams for the best projects in a variety of categories.

- PM NSC (PM DCS) - Dense Wave Division Multiplexing – Optical Transport Network (DWDM-OTN)
- PD LMP – Logistics Modernization Program

International Society of Logistics (SOLE)
Recognizes outstanding services and contributions of teams in specialty areas of the broad field of logistics.

- J-AIT, Acquisition Team
- J-AIT, IDIQ Team

AWARDS *(continued)*

Individual Awards

Army CIO Knowledge Management Award
Recognizes outstanding individuals, group or organizational efforts that have implemented some or all of the 12 AKM Principles in support of mission goals and objectives.

- Business Transformation and Strategic Communications Director, Sarah Fidd - PEO EIS Col laborative Work Environment

Association for Federal Information Resources Management (AFFIRM) Executive Leadership Award
Presented for outstanding executive leadership in Government–wide Information Resources Management, the AFFIRM Executive Leadership Award is the highest and most prestigious AFFIRM award.

- Mr. Gary L. Winkler, PEO EIS

Federal Computer Week (FCW) Fed 100
Recognizes work by individuals in Government or industry in the Federal IT community who have made a significant difference, either in the organization or the community at large, sometimes without the benefit of visibility or influence, through creativity, energy and/or sheer tenacity.

- Mr. Gary L. Winkler, PEO EIS
- LTC Amy Torres, PD DKO
- Dr. William "Dave" Powers, PD FMS

Federal Computer Week (FCW) Rising Star
Recognizes up-and-coming employees in the public and private sectors who have made an early, and substantive, contribution to the Government information technology community.

- Mr. Doug Haskin, PD TIS
- Mr. Shane Sanders, PD TAO
- Mr. Jim Carver, PM MTS

Government Computer News (GCN) Defense Agency IT Executive of the Year
Recognizes the individual who has shown innovation, dedication, and excellence in their achievements over the past year.

- Mr. Gary L. Winkler, PEO EIS

International Society of Logistics (SOLE)
Recognizes outstanding services and contributions of individuals in specialty areas of the broad field of logistics.

- Ms. Venetta Carter, PD TIS
- Mr. Thomas Flemming, PD TIS
- Mr. Charles McCracken, PD TIS
- Mr. Thomas Rigsbee, PD J-AIT

Presidential Rank Award, Meritorious Executive Rank Award
Honors high-performing senior career employees for sustained extraordinary accomplishment who achieve results and consistently demonstrate strength, integrity, industry, and a relentless commitment to excellence in public service.

- Mr. Gary L. Winkler, PEO

Acronym List

ABIS ..... Automated Biometric Identification System
ABO ..... Army Budget Office
ACAP ..... Army Career and Alumni Program
ACR ..... Armored Calvary Regiment
ACSIM ..... Assistance Chief of Staff for Installation Management
ACT ..... American Council of Technology
ADMC-2 ..... Army Desktop and Mobile Computing-2
AESIP ..... Army Enterprise Systems Integration Program
AFEI ..... Association for Enterprise Information
AFFIRM ..... Association for Federal Information Resources Management
AHRS ..... Army Human Resource System
AIT ..... Automatic Identification Technology
ALMS ..... Army Learning Management System
ALTESS ..... Acquisition, Logistics, and Technology Enterprise Systems and Services
AKO ..... Army Knowledge Online
AMC ..... Army Materiel Command
AMR ..... Air Movement Request
ANC ..... Arlington National Cemetery
APG ..... Aberdeen Proving Ground
ARNG ..... Army National Guard
ASA(ALT) ..... Assistant Secretary of the Army (Acquisition, Logistics, and Technology)
ASA M&RA ..... Assistant Secretary of the Army for Manpower and Reserve Affairs
ASC ..... Army Sustainment Command
ASCP ..... Army Small Computer Program
ATEC ..... Army Test and Evaluation Command
BAT-A ..... Biometrics Automated Toolset – Army
BB ..... Black Belt
BISA ..... Biometric Identification System for Access
BPM ..... Business Process Management
BRAC ..... Base Realignment and Closure
BTA ..... Business Transformation Agency
CAB ..... Combat Aviation Brigade
CAC ..... Common Access Card
CAISI ..... Combat Service Support Automated Information Systems Interface
CB ..... Consolidated Buy
CENTCOM ..... US Central Command
CHESS ..... Computer Hardware, Enterprise Software, and Solutions
CIF ..... Central Issue Facilities
CIO ..... Chief Information Officer
CJTF-101 ..... Combined Joint Task Force - 101
CLP ..... Continuous Learning Point
CONUS ..... Continental United States
COP ..... Common Operating Picture
COTS ..... Commercial-Off-the-Shelf
CPI ..... Continuous Process Improvement
CS ..... Combat Support
CSS ..... Combat Service Support
DAU ..... Defense Acquisition University
DCATS ..... Defense Communications and Army Transmission Systems
DDTC ..... Deployed Digital Training Campus
DFAS ..... Defense Finance and Accounting Service
DKO ..... Defense Knowledge Online
dL ..... Distributed Learning
DLS ..... Distributed Learning System
DMLSS ..... Defense Medical Logistics Standard Support
DoD ..... Department of Defense
DTF ..... Digital Training Facilities
DWDM-OTN ..... Dense Wave Division Multiplexed-Optical Transport Network
DWTS ..... Defense Wide Transmission Systems
ELA ..... Enterprise License Agreement
EMR ..... Electronic Medical Record
ERDC ..... Engineer Research and Development Center
ERP ..... Enterprise Resource Planning
ESMS ..... Enterprise Service Management System
FBCB2 ..... Force XXI Battle Command Brigade and Below
FCW ..... Federal Computer Week
FMS ..... Force Management System
FMS ..... Foreign Military Sales
FOB ..... Forward Operating Base
FOC ..... Full Operational Capability
GAL ..... Global Address List
GB ..... Green Belt
GCN ..... Government Computer News
GCSS-Army ..... Global Combat Support System - Army
GFEBS ..... General Fund Enterprise Business System

Acronym List *(continued)*

GITEC..... Government Information Technology Executive Council
GSA..... General Services Administration
HIIDE..... Handheld Interagency Identity Detection Equipment
HR..... Human Resources
HRD..... Human Resources Division
I3MP..... Installation Information Infrastructure Modernization Program
IAC..... Industry Advisory Council
IDIQ..... Indefinite Delivery, Indefinite Quantity
IED..... Improvised Explosive Device
IM..... Instant Messaging
IMS-A..... Installation Management Systems - Army
IPPS-A..... Integrated Personnel and Payment System - Army
ISEC..... Information Systems Engineering Command
ISM..... Installation Support Modules
IT..... Information Technology
IUID..... Item Unique Identification
IV&V..... Independent Verification and Validation
J-AIT..... Joint – Automatic Identification Technology
JM&L..... Joint Munitions and Lethality
JPO..... Joint Project Office
KBA..... Knowledge Based Authentication
LAN..... Local Area Network
LEAP..... LSS Excellence Award Program
LMP..... Logistics Modernization Program
LMR..... Land Mobile Radio
LSS..... Lean Six Sigma
MBB..... Master Black Belt
MC4..... Medical Communications for Combat Casualty Care
MEDCOM..... Medical Command
MES..... Manufacturing Execution System
MRAP..... Mine Resistant Ambush Protected
MRMS..... MRAP Requirements Management System
MRT..... Military Ruggedized Tablet
MTS..... Movement Tracking System
NCR..... National Capital Region
NCRCC..... National Capital Region Contracting Center
NETCOM..... Network Enterprise Technology Command
NETOPS..... Network Operations
NG-ABIS..... Next Generation ABIS
NGS..... NIPRNET Global Services
NIPRNET..... Non-Classified Internet Protocol Router Network
NSA..... National Security Agency
NSC..... National Service Center
NTC..... National Training Center
OCIE..... Organizational Clothing and Individual Equipment
OCONUS..... Outside Continental United States
OD..... Operations Directorate
PC..... Personal Computer
PD..... Project Director or Product Director
PDA..... Personal Digital Assistant
PEO EIS..... Program Executive Office, Enterprise Information Systems
PM..... Program Manager or Project Manager
PMO..... Project Management Office
POM..... Program Objective Memorandum
POG..... Provisional Oversight Group
PUE..... Power Usage Effectiveness
RCAS..... Reserve Component Automation Systems
RC-E..... Regional Command - East
REF..... Rapid Equipping Force
RF..... Radio Frequency
RFID..... Radio Frequency Identification
RMP..... Requirements Management Process
SCEP..... Student Career Experience Program
SIPRNET..... Secure Internet Protocol Router Network
SOLE..... International Society of Logistics
STAMIS..... Standard Army Management Information Systems
SWA..... Southwest Asia
TACOM..... Tank and Armament Command
TATRC..... Telemedicine and Advanced Technology Research Center
TC-AIMS II..... Transportation Coordinators' – Automated Information for Movements System II
TIS..... Transportation Information Systems
TOF..... Transfer of Function
USF-I..... US Forces Iraq
VA..... Veteran's Affairs
VM..... Virtual Machine
VoIP..... Voice over Internet Protocol
VSAT..... Very Small Aperture Terminal
WiFI..... Wireless Fidelity

PEO EIS Project and Product Offices

Acquisition Business (AcqBusiness)
Acquisition, Logistics and Technology Enterprise Systems and Services (ALTESS)
Army Enterprise Systems Integration Program (AESIP)
Army Human Resource System (AHRS)
Army Knowledge Online/Defense Knowledge Online (AKO/DKO)
Biometrics Enabling Capability (BEC)
Command Center Upgrades/Special Projects Office (CCU/SPO)
Computer Hardware, Enterprise Software, and Solutions (CHESS)
Defense Communications and Army Transmission Systems (DCATS)
Defense Messaging System-Army (DMS-A)
Defense Wide Transmission Systems (DWTS)
Department of Defense Biometrics (DoD) Biometrics
Distributed Learning System (DLS)
Force Management System (FMS)
General Fund Enterprise Business System (GFEBS)
Global Combat Support System – Army (GCSS-Army)
HR Solutions
Information Technology Systems (ITS)
Installation Information Infrastructure Management Program (I3MP)
Installation Management Systems – Army (IMS-A)
Integrated Personnel and Pay System – Army (IPPS-A)
Joint-Automatic Identification Technology (J-AIT)
Land Mobile Radio (LMR)
Logistics Modernization Program (LMP)
Medical Communications for Combat Casualty Care (MC4)
Movement Tracking System (MTS)
Network Enterprise Services (NES)
Network Service Center (NSC)
Power Projection Enablers (P2E)
Reserve Component Automation Systems (RCAS)
Satellite Communications Systems (SCS)
Tactical Biometrics Systems (TBS)
Transportation Information Systems (TIS)
Vehicular Intercom Systems (VIS)
Wideband Control (WC)

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